

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

ZL-0367-11

INTER-OFFICE CORRESPONDENCE

DATE July 23, 1973

READ TO: Miles A. Zamco, Surveillance Manager, DAPC

FROM: R. E. Hedden, Region II *REH*

SUBJECT: CARAVELLE WOOD PRODUCTS INCORPORATED--UNANNOUNCED INSPECTION, 7/20/73

333 East End Avenue

South Chicago Heights (Cook County) 60411

Geocode: 031 294 AAH

Company contact: Joseph Paradiso

Title: President

Telephone: 755-3831

Employees: 100

Shifts/day, days/week: 1, 5

SIC Number: 2511

Products: Kitchen cabinets
and vanities.Permit status: Operating permits
received.Weather conditions: Temp. 75°F.
Wind: South, 5 mph
Sky: Overcast

An unannounced inspection was made at the above subject company to confirm the content of the company's operating permit application. A review of the company's permit application revealed a multitude of woodworking machines, the exhaust from which is ducted to cyclones to control emissions of sawdust and wood chips. Observation of the cyclones in question did not reveal excessive emissions emanating from the units which would put them in violation of the fugitive emission regulation. The only other potential source of emissions to the atmosphere of concern to this Agency would be hydrocarbon emissions from the company's painting operations.

The company operates a relatively new factory in South Chicago Heights in which many of the painting operations are automated. The company's painting and drying operations are adequately described in the permit application and no further detailed information will be included in this report. As the company has submitted a compliance plan which states they will switch to exempt solvent coatings by December 31, 1973, it appears the Permit Section did not require specific information concerning the composition of the toners, sealers, and top coats presently being used. Therefore, this information was solicited at the time of the inspection.

Duliance Universal of 191 Sheridan Road, North Chicago, 60064 (465-1200) supplies all of the top coats, sealers and toners (of which six colors are used) consumed by the company. Approximately 55 gallons of each of the three coating classifications are used per day. The following is the chemical composition of the above such coatings.

EPA Region 5 Records Ctr.



300532

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ALL LETTERS TO BE SIGNED . . . NO SALUTATION OR COMPLIMENTARY CLOSING NECESSARY.

<u>Chemical</u>	<u>Top Coat.</u>	<u>Sealers</u>	<u>Toners</u>
Toluol	24%	15%	55%
Straight chain ketones	-	12%	40%
Branch chain ketones	6.5%	26%	4%
Alcohol	22.5%	12%	1%
Xylol	41.5%	35%	-
Aliphatics	5.5%	-	-

It should be noted that these coating compositions will be in effect until such time as the company switches to the exempt solvent compositions before the 12/31/73 deadline.

In conclusion, it appears the company's operating permits are in order and their compliance plan is appropriate for meeting the hydrocarbon emission standards. As a matter of future information, Mr. Paradiso stated that Basic Engineering completed his company's permit forms. Housekeeping at the plant was excellent and Mr. Paradiso was most cooperative throughout the period of inspection.

Recommendations:

No enforcement action is appropriate for any of the operations conducted at this facility; however, a reinspection of the company's coating usage after the 12/31/73 hydrocarbon rule deadline would be appropriate. The company stores and handles all coatings in a separate building which would facilitate any future inspection.

REH:ddl

CC: Region II files